

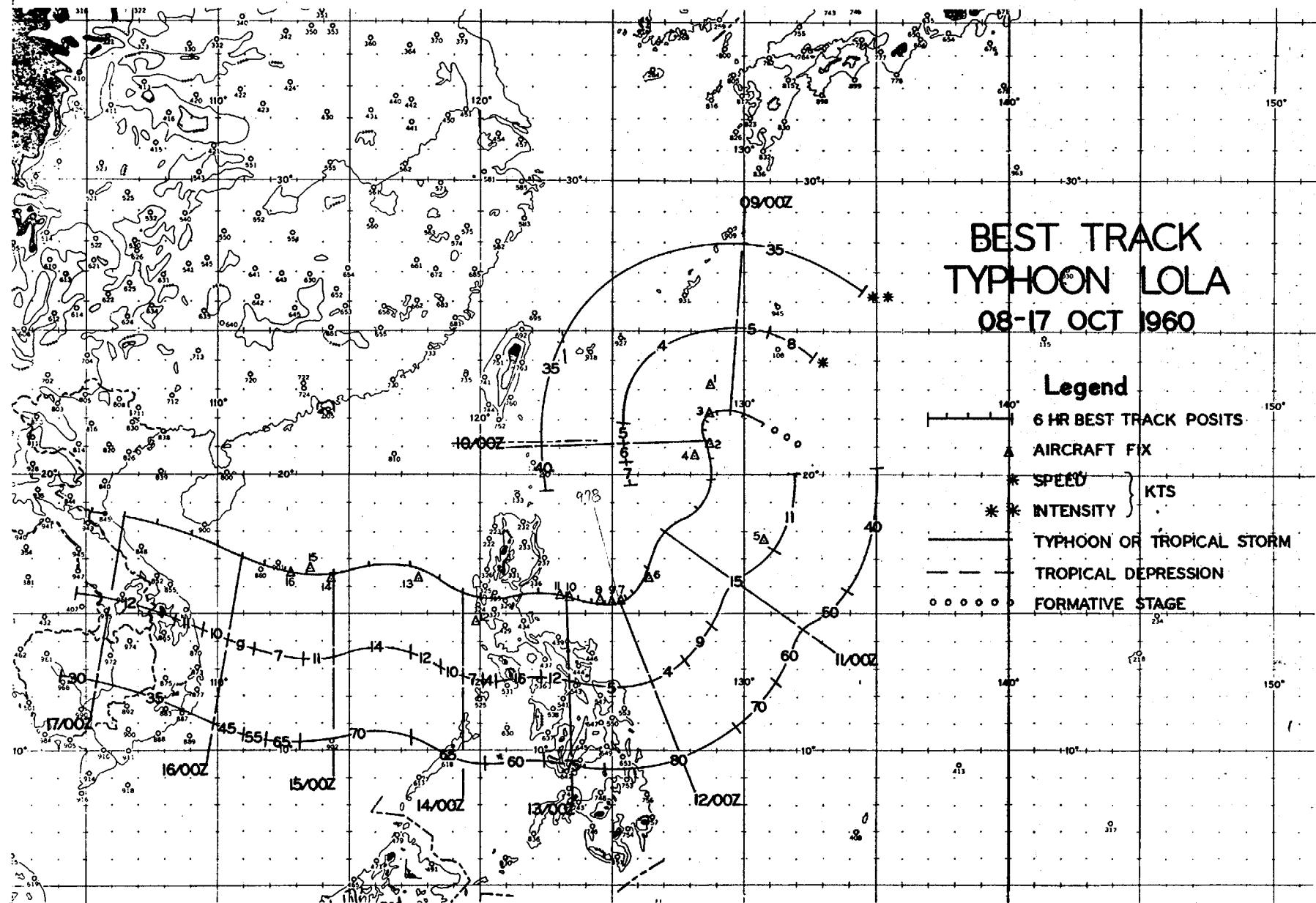
Q. TYPHOON LOLA (081200Z-170600Z OCTOBER 1960)

After Typhoon KIT moved over the South China Sea, a small circulation began to develop in the trough behind and about 700 mi NE of it, near 20N 130E. It was first noted at 080000Z, and by 081200Z the circulation was intense enough to be classified as T.S. LOLA.

LOLA initially moved toward Taiwan, but abruptly turned S during the 12 hours subsequent to 090600Z and accelerated from 4 to 15 kts. The storm was upgraded to a typhoon at 110600Z, about 340 mi ENE of Manila. Shortly thereafter, LOLA turned W, and it appeared to be headed toward Manila. The typhoon moved onto the coast of Luzon Island 80 mi NNE of Manila at 130800Z. LOLA passed about 20 mi N of Clark AB just before 131200Z. It appears that the typhoon circulation, within the lower few thousand feet, was weakened by the terrain, and after passing beyond Luzon Island over the South China Sea, reformed as a result of the sustained upper air circulation. This created the appearance of the typhoon "jumping" across the island of Luzon. The reader is referred to "The Problem of Typhoon Forecasting Over Taiwan and its Vicinity", by Lt. Colonel Hsu Ying-Chin, published in the Record of Proceedings, U.S.-Asian Military Weather Symposium, 9-12 February 1960, for further discussion of this phenomena. LOLA moved over the South China Sea after 131800Z and the surface winds intensified to 70 kts by 141200Z. The typhoon decreased to tropical storm intensity by 151200Z, and passed 20 mi S of Hainan Island at 161200Z, then onto the North Vietnam coastline, 20 mi SE of Vinh at 170300Z. The last warning was issued at 170600Z.

Thirty-six warnings were issued on LOLA during 8 days and 18 hours over a distance of 1800 mi. The tropical circulation moved at an average speed of 9 kts or 208 mi per day. The minimum speed of movement was 4 kts and the maximum was 15 kts. The typhoon extended through the 500 mb level as a closed circulation while in the vicinity of Clark AB, and certainly influenced the circulation through 35000 ft. Lack of data again precludes a more definitive measurement of intensity at higher levels.

LOLA moved toward Typhoon KIT throughout its life, except for the first 24 hours. This track appears to have been along the southern side of the upper air anticyclone that was over the Asiatic continent. Tracks from N to S seldom appear to the E of the Philippines, and for this reason the track may be considered the most unusual feature of Typhoon LOLA.



RECONNAISSANCE AIRCRAFT FIXES - TYPHOON LOLA

FIX NO.	TIME	LAT.	LONG.	UNIT METHOD & ACCY	MIN	MAX	MIN	MAX	700MB	TT/Td (°C)	EYE CHARACTERISTICS
					SLP MBS	SFC WND	700MB HGT	700MB WND			
1	090300Z	23.1N	128.8E	VW1-P-05	1001	45	- - -	- -	- - -		CLEAR S AND W-NW QUADS
2	100115Z	21.1N	128.8E	56-P-05	- -	40	10090	30	13/09		CIRC DIA 50 MI OPEN W&NW
3	100300Z	22.2N	128.8E	USN----	- -	- -	- - -	- -	- - -		- - - - -
4	100723Z	20.7N	128.1E	56-P-05	1006	15	10050	30	11/09		CIRC DIA 20 MI WALL CLDS ALL QUADS
5	102200Z	17.7N	130.7E	56-P-07	999	20	10110 ⁹⁹⁹	35	12/-		EYE POORLY DEFINED
6	110800Z	16.2N	126.3E	56-P-05	1002	70	9760 ⁹⁸⁷	55	18/11		CIRC DIA 10 MI OPEN E
142	120030Z	15.4N	125.2E	56-P-04	978	70	9600 ⁹⁸¹	55	22/15		CALM WNDS 30 MI DIA
	120820Z	15.3N	124.6E	VW1-R---	- -	- -	- - -	- -	- - -		CIRC DIA 22 MI
	121430Z	15.3N	125.0E	VW1-R-10	- -	- -	- - -	- -	- - -		POORLY DEFINED OPEN NW-NE
	122300Z	15.7N	123.4E	56-P-04	986	45	9830 ⁹⁷⁰	50	16/13		CIRC DIA 10 MI
	130300Z	15.8N	123.0E	56-P-02	979	80	9890 ⁹⁷¹	35	18/13		CIRC DIA 10 MI OPEN NE
11	131530Z	14.8N	119.9E	VW1-R---	- -	- -	- - -	- -	- - -		WEAK CIRC AREA
13	140731Z	16.2N	117.7E	56-P-03	1000	65	9960 ⁹⁹⁵	55	10/09		DIA 35 MI OPEN N
14	150030Z	16.2N	114.2E	56-P-10	990	60	9990 ⁹⁷⁶	30	11/08		POORLY DEFINED OPEN W-N
15	150400Z	16.7N	113.5E	56-P-10	996	75	9930 ⁹⁷¹	35	09/08		CIRC DIA 25 MI OPEN N
16	150908Z	16.4N	112.9E	56-P-04	- -	- -	9820 ⁹⁷¹	40	11/11		DIA 20 MI

TYPHOON LOLA 08-17 OCTOBER 1960
POSITION AND FORECAST VERIFICATION DATA

DTG	STORM POSITION		24 HR. ERROR DEG. DISTANCE	48 HR. ERROR DEG. DISTANCE
	LAT.	LONG.		
081200Z	21.8N	130.8E	-----	-----
081800Z	22.1N	130.0E	-----	-----
090000Z	22.2N	129.5E	-----	-----
090600Z	22.2N	129.0E	-----	-----
091200Z	22.0N	128.6E	010-109	-----
091800Z	21.7N	128.4E	008-191	-----
100000Z	21.2N	128.6E	003-259	-----
100600Z	20.6N	128.8E	359-373	-----
101200Z	19.9N	128.8E	302-198	005-423
101800Z	18.9N	128.3E	314-243	009-542
110000Z	18.0N	127.0E	028-212	020-743
110600Z	16.6N	126.4E	021-293	023-890
111200Z	15.8N	125.9E	358-321	338-396
111800Z	15.6N	125.6E	009-329	336-423
120000Z	15.4N	125.2E	333-113	036-348
120600Z	15.3N	124.8E	259-90	030-402
121200Z	15.3N	124.2E	261-115	355-396
121800Z	15.5N	123.8E	257-122	013-355
130000Z	15.7N	123.3E	279-17	316-157
130600Z	15.8N	122.1E	138-64	257-130
131200Z	15.5N	120.4E	110-116	270-83
131800Z	15.5N	120.0E	113-108	270-67
140000Z	15.8N	119.4E	102-113	265-95
140600Z	16.2N	118.5E	104-131	300-156
141200Z	16.7N	117.3E	088-167	301-195
141800Z	16.7N	115.9E	134-126	294-240
150000Z	16.4N	114.4E	088-150	276-278
150600Z	16.4N	113.3E	090-194	272-283
151200Z	16.6N	112.6E	292-18	273-300
151800Z	16.8N	111.9E	193-24	283-188
160000Z	17.1N	111.0E	214-45	281-205
160600Z	17.5N	110.0E	250-110	284-245
161200Z	17.8N	109.0E	193-67	338-88
161800Z	18.2N	107.7E	159-112	336-107
170000Z	18.4N	106.5E	114-153	338-120

TYPHOON LOLA 08-17 OCTOBER 1960
POSITION AND FORECAST VERIFICATION DATA (CONT'D)

DTG	STORM POSITION		24 HR. ERROR	48 HR. ERROR
	LAT.	LONG.	DEG. DISTANCE	DEG. DISTANCE
170600Z	18.6N	105.2E	103-53	226-100
AVERAGE 24 HOUR ERROR	148 MI			
AVERAGE 48 HOUR ERROR	284 MI			

